

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1-10. (Canceled)

11. (Currently Amended) A computer-implemented method of controlling access to records stored in a database, said method comprising:

identifying a password that is associated with one or more users of said database;

defining a calculation expression for said identified password, wherein said calculation expression is a variable expression defined based on at least one field of data used in a plurality of records stored in said database, wherein said calculation expression can be evaluated at least partly based on said at least one field of data used in said plurality of records, wherein said at least one field of data is a variable which may have different values for each of said plurality of records, thereby allowing access to each individual record of said plurality of records to be selectively controlled based on at least one value of said at least one field of data stored for each of said plurality of records of said database, and wherein said calculation expression defines access privileges of said one or more users with respect to at least one operation that may be requested to be performed by said one or more users on said plurality of records of said database;

receiving a request to perform said at least one operation on said plurality of records of said database, said request being identified as a request made by said one or more users associated with said password; [[and]]

evaluating said calculation expression for each of said plurality of records, based on said at least one field of data, when said request has been received, wherein said evaluating comprises: (a) determining at least ~~one~~ a first and a second value for said at least one field of data stored for ~~[[a]] first and second records~~ record of said plurality of records, (b) using said ~~at least one value~~ first

and second values as input to said calculation expression to respectively evaluate said calculation expression for said first and second records ~~record~~, and (c) determining ~~[[a]]~~ first and second results ~~result~~ for said calculation expression based on said evaluation of said calculation expression for said first and second records ~~record~~, wherein said first and second results ~~result~~ effectively ~~indicates~~ indicate whether to grant access to said first and second records ~~record~~ respectively:

granting or denying access to said first record based on said first result;  
and  
granting or denying access to said second record based on said second result.

12. (Original) A method as recited in claim 11, wherein said at least one operation can be a browse, an edit, or a delete operation.

13. (Original) A method as recited in claim 11, wherein said calculation expression is not explicitly defined for said at least one operation but said calculation expression is one that has been defined for another operation which has been considered as a related operation to said at least one operation.

14. (Previously Presented) A method as recited in claim 11,  
wherein said calculation expression can be evaluated at least partly based on at least one state variable of said database, wherein said state variable can indicate the condition of an element of said database at a particular time.

15. (Original) A method as recited in claim 14, wherein said method further comprises:

granting temporary or limited access to said at least one record to allow said evaluating of said calculation expression.

16-37. (Canceled)

38. (Currently Amended) A computer readable medium including computer program code for controlling access to records stored in a database, said computer readable medium comprising:

computer program code for identifying a password that is associated with one or more users of said database;

computer program code for defining a calculation expression for said identified password, wherein said calculation expression is a variable expression defined based on at least one field of data used in a plurality of records stored in said database, wherein said calculation expression can be evaluated at least partly based on said at least one field of data used in said plurality of records, wherein said at least one field of data is a variable which may have different values for each of said plurality of records, thereby allowing access to each individual record of said plurality of records to be selectively controlled based on at least one value of said at least one field of data stored for each of said plurality of records of said database, and wherein said calculation expression defines access privileges of said one or more users with respect to at least one operation that may be requested to be performed by said one or more users on said plurality of records of said database;

computer program code for receiving a request to perform said at least one operation on said plurality of records of said database, said request being identified as a request made by said one or more users associated with said password; [[and]]

computer program code for evaluating said calculation expression for each of said plurality of records, based on said at least one field of data, when said request has been received, wherein said evaluating comprises: (a) determining at least ~~one~~ a first and a second value for said at least one field of data stored for [[a]] first and second records ~~record~~ of said plurality of records, (b) using said ~~at least one value~~ first and second values as input to said calculation expression to respectively evaluate said calculation expression for said first and second records ~~record~~, and (c) determining [[a]] first and second results ~~result~~ for said calculation expression based on said evaluation of said calculation expression for said first and second records ~~record~~, wherein said first and second results ~~result~~ effectively ~~indicates~~ indicate whether to grant access to said first and second records ~~record~~ respectively;

computer program code for granting or denying access to said first record based on said first result; and  
computer program code for granting or denying access to said second record based on said second result.

39. (Previously Presented) A computer readable medium as recited in claim 38, wherein said at least one operation can be a browse, an edit, or a delete operation.

40. (Previously Presented) A computer readable medium as recited in claim 38, wherein said calculation expression is not explicitly defined for said at least one operation but said calculation expression is one that has been defined for another operation which has been considered as a related operation to said at least one operation.

41. (Previously Presented) A computer readable medium as recited in claim 38, wherein said calculation expression can be evaluated at least partly based on at least one state variable of said database.

42. (Previously Presented) A computer readable medium as recited in claim 38, further comprising:

computer program code for granting temporary or limited access to said at least one record to allow said evaluating of said calculation expression.

43-58. (Canceled)